

METHODS AND TRANSGENIC MOUSE MODEL FOR IDENTIFYING
AND MODULATING FACTORS INVOLVED IN THE PRODUCTION OF
REACTIVE OXYGEN INTERMEDIATES

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ABSTRACT

The present invention provides a transgenic non-human animal,
in particular a transgenic mouse encoding the NOX and Duox family of
proteins, which generate reactive oxygen intermediates (ROI). The present
10 invention additionally comprises cells and cell lines containing transgenes
encoding for members of the NOX and Duox family of proteins. The present
invention further comprises methods and compositions for evaluating
regulators of abnormal cell growth and in the development of compounds that
effect ROI expression.

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